Philips Brilliance
LCD monitor with
Lightframe™

22"w X-line

Brilliance

220X1SW

For your eyes only!

Reduce eye fatigue with Innovative Lightframe LCD

Delivering unique vision-friendly, fatigue-reducing viewing for the whole family plus elegant, eye-catching style, Lightframe LCDs are a feast for the eyes, designed for people who spend long hours working in front of a computer screen.

Amazing viewing experience free from eye-fatigue

- Reduce your eye fatigue with innovative lighting technology
- SmartImage: Optimized user friendly display experience
- TrueVision: Laboratory quality display performance
- Glossy piano white finish design to enhance your home decor

A pure treat for your eyes

- SmartContrast12000:1 for incredible rich black details
- Fast response time up to 2ms
- DVI-D input and HDCP support

Designed for your convenience

- Dual input accepts both analog VGA and digital DVI signals
- One-touch format switching between wide and 4:3 ratios
- USB port for convenient peripheral connections

PHILIPS

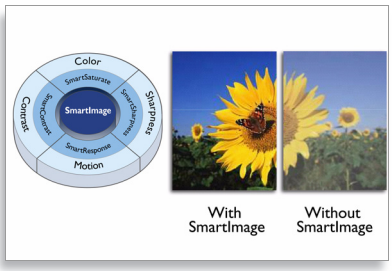
sense and simplicity

Highlights

Lightframe™

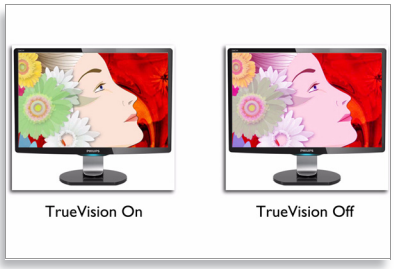
Lightframe is Philips LCD technology triggered by turning on the Lightframe to reduce eyestrain by surrounding your monitor frame with blue light that stimulates your visual senses for improved concentration and promotes an overall feeling of well-being.

SmartImage



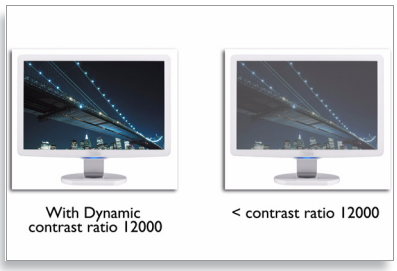
SmartImage is an exclusive, leading edge Philips technology that analyzes the content displayed on your screen. Based on a scenario you select, SmartImage dynamically enhances the contrast, color saturation and sharpness of images and videos for ultimate display performance - all in real time with the press on a single button.

TrueVision



TrueVision is industry-leading, proprietary Philips testing and algorithm technology for monitor adjustment and fine tuning, an extensive process that ensures ultimate display performance in compliance with a standard four-times more stringent than Microsoft's Vista requirements from each and every monitor that leaves the factory - not just a few review samples. Only Philips goes to these lengths to deliver this exacting level of color accuracy and display quality in every new monitor.

SmartContrast ratio 12000:1

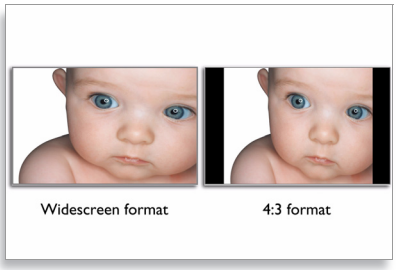


You want the LCD flat display with the highest contrast and most vibrant images. Philips advanced video processing combined with unique extreme dimming and backlight boosting technology results in vibrant images. SmartContrast will increase the contrast with excellent blacklevel and accurate rendition of dark shades and colors. It gives a bright, lifelike picture with high contrast and vibrant colors.

2ms GtG response time

GtG response time is the average time that it takes for a pixel to go from one arbitrary position to another, which is the average time of transition between several sets of random color levels. Faster is better: Lower response time means faster transitions and, therefore, results in fewer visible image artifacts in the display of fast moving images. GtG response time is an important way to measure display quality of multimedia content like movies, videos and games.

Auto picture format button



Philips auto picture format is a button that switches from the 4:3 aspect ratio to the widescreen mode and back again to match the display's aspect ratio with your content for working with wide documents without scrolling or viewing widescreen media in the widescreen mode and distortion-free, native mode display of 4:3 ratio content.

light frame
SmartImage™
TrueVision
2ms
12,000:1 Dynamic contrast ratio
USB Connectivity
CERTIFIED FOR Windows Vista*

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Specifications

Picture/Display
- Panel Size: 22" / 55.9 cm
- LCD panel type: 1680 x 1050 pixels, Anti-glare polarizer, RGB vertical stripe
- Optimum Resolution: 1680 x 1050 @ 60Hz
- Maximum Resolution: 1680 x 1050 @ 75Hz
- Display colors: 16.7 M
- Aspect ratio: 16:10
- Brightness: 300 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast ratio (dynamic): 12000:1
- Response time (typical): 5 ms
- SmartResponse: 2 ms (Gray to Gray)
- Picture enhancement: SmartImage
- Viewing angle: 160° (H) / 160° (V), @ C/R > 10
- Effective viewing area: 474 x 296 mm
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 75 Hz
- Pixel pitch: 0.282 x 0.282 mm
- Video Dot Rate: 165 MHz
- sRGB

Connectivity
- Signal Input: VGA (Analog), DVI-D
- USB: USB 2.0 x 1
- Sync Input: Composite Sync, Separate Sync, Sync on Green

Convenience
- User convenience: SmartControl II, Picture format selection, On-screen Display
- Monitor Controls: Auto (Back), Auto picture (Up), Input (Down), LightFrame, Menu (OK), Power On/ Off, SmartImage
- OSD Languages: English, French, German, Italian, Russian, Simplified Chinese, Spanish, Portuguese
- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98, Windows 2000, Windows XP, Windows Vista
- Regulatory Approvals: CE Mark, Energy Star, SEMKO
- Tilt: -5° to 20°
- Other convenience: Kensington lock compatible

Dimensions
- Set dimensions with stand (W x H x D): 517 x 429 x 201 mm
- Set dimensions with stand in inch (W x H x D): 20.35 x 16.89 x 7.91 inch
- Relative humidity: 20% - 80%
- Set dimensions (W x H x D): 517 x 350 x 74 mm
- MTBF: 50,000 (excl. CCFL 40,000) hrs
- Set dimensions in inch (W x H x D): 20.35 x 13.78 x 2.91 inch
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -20°C to 60°C
- Box dimensions (W x H x D): 570 x 482 x 134 mm
- Product weight (+stand): 4.88 kg
- Product weight (+stand) (lb): 10.76 lb
- Weight incl. Packaging: 6.46 kg
- Weight incl. Packaging (lb): 14.24

Power
- Consumption (On mode): < 45 W (Typical)
- Consumption (economy mode): 38 W
- Consumption (Off Mode): < 0.8 W
- Complies with: Energy Star
- Power LED indicator: Operation - Blue, Stand by/ sleep -blue(blinking)
- Power supply: Built-in, 100-240VAC, 50/60Hz

Issue date 2009-04-22

Version: 1.0.2

12 NC: 8670 000 53024
UPC: 6 09585 17191 6

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